Claims

1. A hybrid gas generator, comprising

a cylindrical outer housing (10) having a longitudinal axis (A),

a pressure chamber (12) filled with compressed gas and closed by a membrane (14),

a pyrotechnic charge (38) provided for opening said membrane (14), said charge (38) being accommodated in a bush-shaped charge housing (28) which has a longitudinal axis (B) arranged substantially at right-angles to said longitudinal axis (A) of said outer housing (10) and extends into said housing (10), and

an outflow opening (20) provided in said outer housing (10), characterized in that

inside said outer housing (10) a separate holding body (64) is provided for retaining said charge housing (28), said holding body (64) being fastened to said charge housing (28) and, additionally, to a part of said gas generator which is not destructed in an activated state of said gas generator.

2. The hybrid gas generator according to Claim 1, characterized in that said holding body (64) engages on said charge housing (28) such that it has an effect against a movement thereof in a direction of at least one of said longitudinal axis (B) and said longitudinal axis (A).

3. The hybrid gas generator according to Claim 1, characterized in that said pressure chamber (12) has an end wall (17) facing said charge housing (28), said holding body (64) being provided inside said outer housing (10) between said charge housing (28) and said end wall (17).

4. The hybrid gas generator according to Claim 1, characterized in that said pressure chamber (12) is defined by a bottle-shaped container (16) with a peripheral wall that forms a section of said outer housing (10) of said gas

generator, said container (16) having an end face which forms said end wall (17) adjacent to which said holding body (64) is arranged.

5. The hybrid gas generator according to Claim 3, characterized in that said end wall (17) has an opening (19) closed by said membrane (14), said membrane (14) being fastened to a membrane holder (15) which in turn is arranged on said end wall (17).

6. The hybrid gas generator according to Claim 5, characterized in that said holding body (64) adjoins said membrane holder (15).

7. The hybrid gas generator according to Claim 1, characterized in that part being non-destructed in the activated state of said gas generator is fastened to a container defining said pressure chamber (12).

8. The hybrid gas generator according to Claim 1, characterized in that part being non-destructed in the activated state of said gas generator is a membrane holder (15).

9. The hybrid gas generator according to Claim 4, characterized by a sleeve (18) which is connected with said peripheral wall of said container (16) and forms a further section of said outer housing (10).

10. The hybrid gas generator according to Claim 9, characterized in that an insertion opening (24) is provided in said sleeve (18).

11. The hybrid gas generator according to Claim 1, characterized in that said holding body (64) is hollow and forms a channel (70) between said charge housing (28) and said membrane (14), so that gas which leaves said charge housing (28) is directed to said membrane (14).

12. The hybrid gas generator according to Claim 1, characterized in that said sleeve (18) has a peripheral wall (22) and said charge housing (28) is fastened on a section (32) of said peripheral wall (22) lying diametrically opposite said insertion opening (24), said fastening having an effect at least against

displacement in said direction of said longitudinal axis (A) of said outer housing (10).

13. The hybrid gas generator according to Claim 1, characterized in that said charge housing (28) has at least one opening (40) directed to said membrane (14).

14. The hybrid gas generator according to Claim 1, characterized in that said outer housing (10) has an axial outflow opening (20) at one axial end.

15. The hybrid gas generator according to Claim 1, characterized in that said charge housing (28) is arranged outside said pressure chamber (12).

16. The hybrid gas generator according to Claim 1, characterized in that said holding body (64) has at least one of said channels (70) through which gas will flow when said gas generator is activated.